ABSTRACT OF THE DISCLOSURE

A LAN interface using an Ethernet protocol is disclosed. The interface includes an Ethernet controller, which performs a control operation for LAN interfacing, a codec, which codes and decodes transmission/reception data, and a transceiver, which detects LAN collisions while data is being transmitted/received. It further includes a retransmission control circuit, which is coupled between the Ethernet controller and the codec and outputs the n-th data in accordance with a back-off algorithm after delaying a certain time when the n-1 data collisions occur on the same frame.